

4.2.H. 0604000308 (Beaverdam Creek).

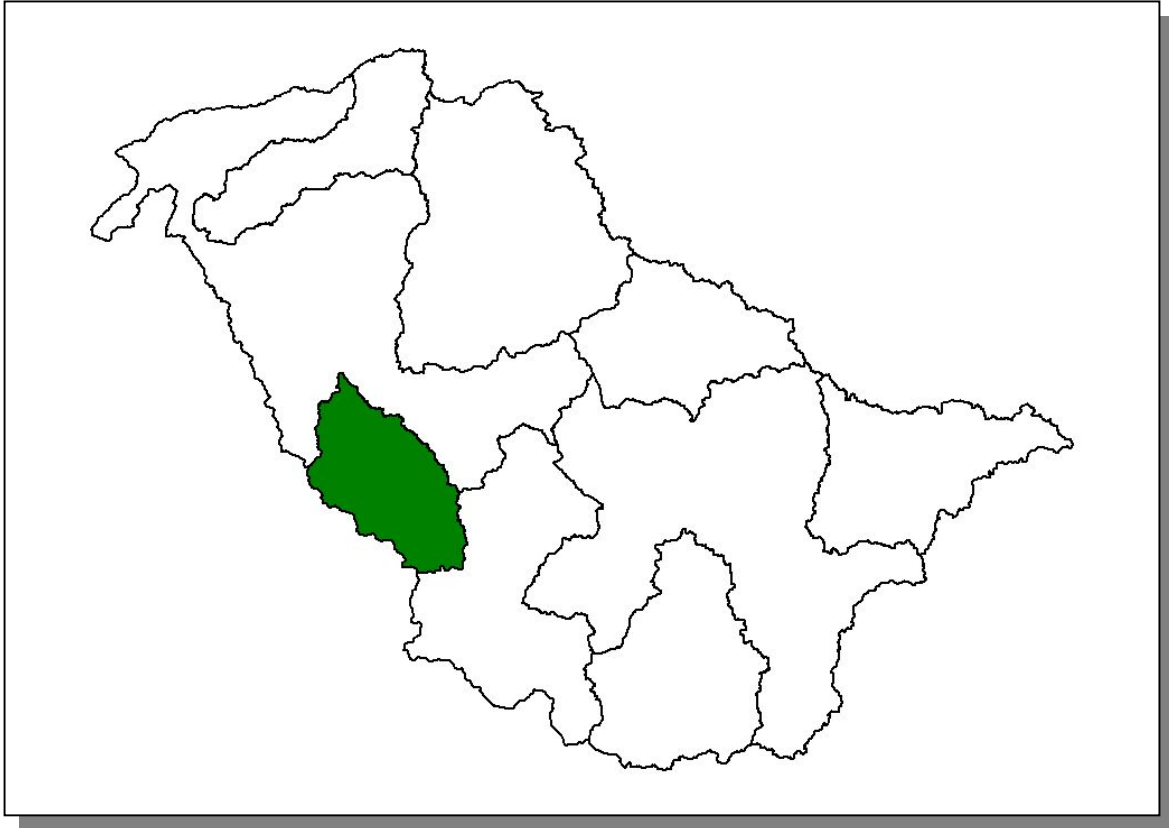


Figure 4-80. Location of Subwatershed 0604000308. All Lower Duck HUC-10 subwatershed boundaries are shown for reference.

4.2.H.i. General Description.

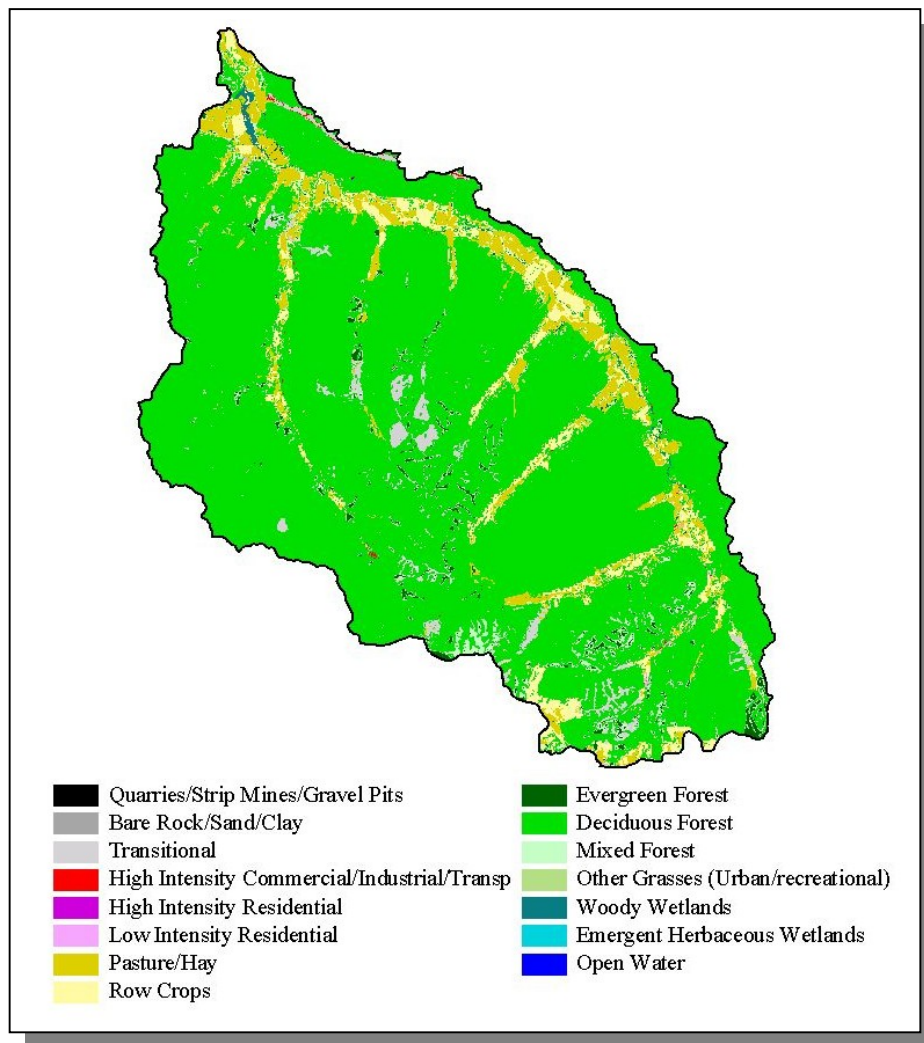


Figure 4-81. Illustration of Land Use Distribution in Subwatershed 0604000308.

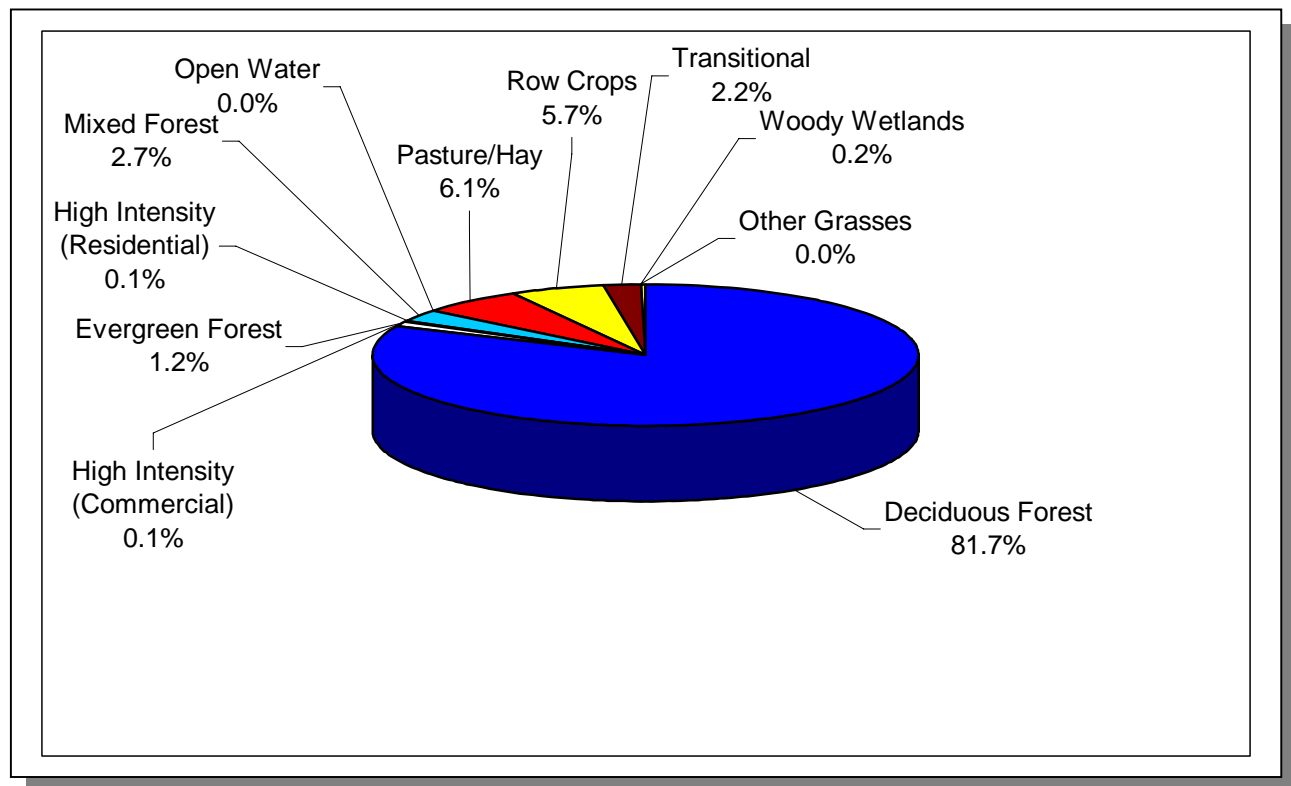


Figure 4-82. Land Use Distribution in Subwatershed 0604000308. More information is provided in Appendix IV.

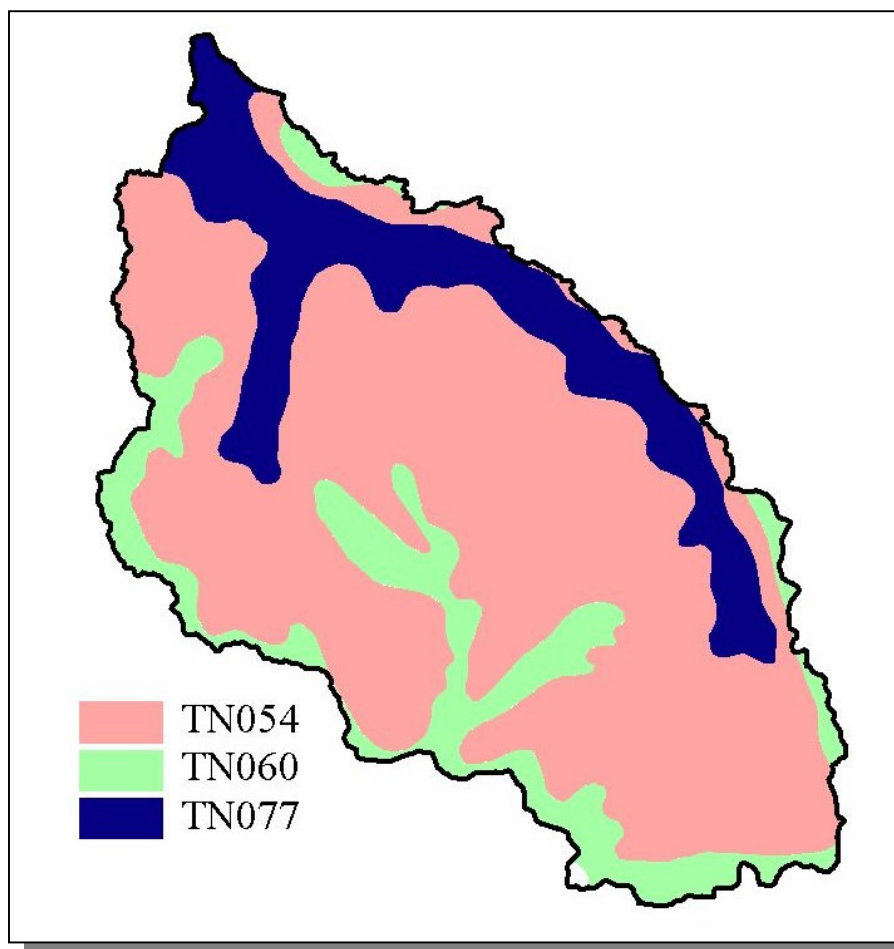


Figure 4-83. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000308.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hr)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN077	4.00	C	2.16	5.03	Loam	0.34

Table 4-44. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000308. More information is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-1997)
	1990	1997	2000		1990	1997	2000	
Hickman	16,754	19,926	22,295	12.42	2,081	2,475	2,770	33.1
Lewis	9,247	10,789	11,367	1.75	162	189	199	22.8
Totals	26,001	30,715	33,662		2,243	2,664	2,969	32.4

Table 4-45. Population Estimates in Subwatershed 0604000308.

4.2.H.ii. Point Source Contributions.

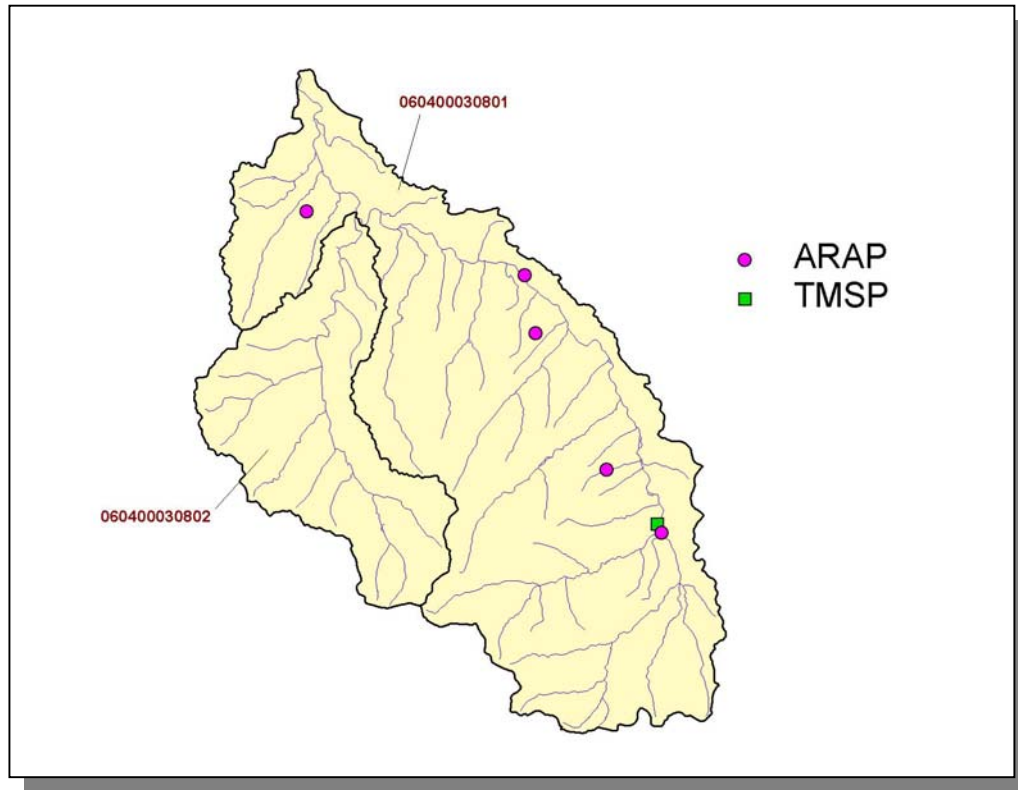


Figure 4-84. Location of Active Point Source Facilities in Subwatershed 0604000308. Subwatershed 060400030801 and 060400030802 boundaries are shown for reference. More information is provided in Appendix IV.

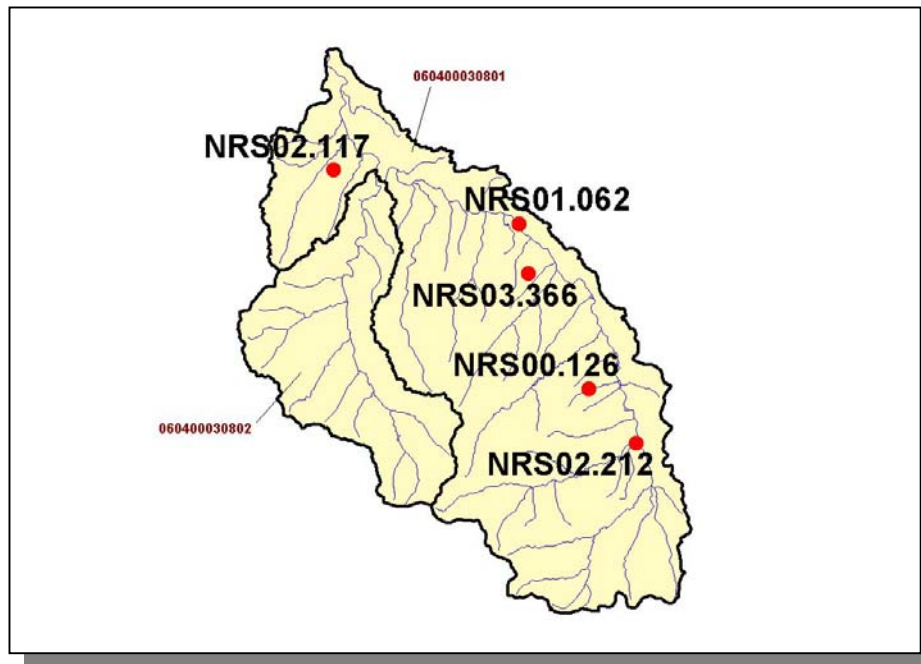


Figure 4-85. Location of ARAP Sites (Individual Permits) in Subwatershed 0604000308. Subwatershed 060400030801 and 060400030802 boundaries are shown for reference. More information is provided in Appendix IV.



Figure 4-86. Location of TMSP Facilities in Subwatershed 0604000308. Subwatershed 060400030801 and 060400030802 boundaries are shown for reference. More information is provided in Appendix IV.

4.2.H.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Chickens Sold	Hogs	Sheep
967	1,804	5	3	<5	308	5

Table 4-46. Summary of Livestock Count Estimates in Subwatershed 0604000308.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hickman	297.2	297.2	5.8	23.0
Lewis	158.0	158.0	4.0	10.2
Totals	455.2	455.2	9.8	33.2

Table 4-47. Forest Acreage and Average Removal Rates (1987-1994) in Subwatershed 0604000308.

CROPS	TONS/ACRE/YEAR
Legume (Pastureland)	0.68
Grass (Pastureland)	1.23
Grass (Hayland)	0.13
Legumes (Hayland)	1.05
Legumes, Grass (Hayland)	0.30
Grass, Forbs, Legumes (Mixed Pasture)	0.82
Forest Land (Not Grazed)	0.00
Forest Land (Grazed)	0.00
Soybeans (Row Crops)	5.35
Tobacco (Row Crops)	7.68
Other Cropland not Planted	0.65
Conservation Reserve Program Lands	0.71
Non-Agricultural Land Use	0.00
Farmsteads and Ranch Headquarters	0.12

Table 4-48. Annual Estimated Total Soil Loss in Subwatershed 0604000308.